

OFFICE OF RESEARCH AND REPORTS

Projects Control Staff

Control SheetA Guide to the Industrial Division, ORR**U.S. OFFICIALS ONLY**

Series Number _____

Classification SECRETDate of Document 15 Oct 54Number of copies 180DISTRIBUTION

	<u>Copy No.</u>	<u>Recipient</u>	<u>Date</u>	<u>Returned</u>
	1	AD/RR	1 Nov 54	<i>Restraps</i> Returned to St/PC
	2	D/I Staff		
STATINTL	3 - 25	OO/C [REDACTED] thru St/I		
	26	Chief, D/I		
	27	Deputy Chief, D/I		
STATINTL	28	[REDACTED] OO/RR/Liaison		
	29	SA/RR		
	30 - 35	ORR Reading Panel		
	36 - 39	Ch/C and Staff		<i>735 ntd from D/B</i>
	40 - 43	Ch/E and Staff		
	44 - 50	D/I Branches		
	51 - 53	Chief, D/I		
	54 - 56	St/I		
	57	D/M		
	58	D/S		
	59	D/A		
	60	D/T		
STATINTL	61 - 65	FDD Attn: [REDACTED]		
STATINTL	66	[REDACTED] 1608 J Bldg.		
STATINTL	67 - 73	[REDACTED]		
STATINTL	74, 75	OCD/IR [REDACTED]		STATINTL
STATINTL	76	OCD Library, [REDACTED]		
STATINTL	77	[REDACTED] (thru St/S)		
	78 - 80	DD/I	12 Nov 54	<i>779 ntd # 78 ntd 3/52</i>
	81	OAD/SI		
	82 - 83	OAD/CI Attn: [REDACTED]		STATINTL
	84	OAD/NE		
STATINTL	85 - 90	[REDACTED]		
	91	[REDACTED]		
STATINTL	92 - 95	Senior Rep. [REDACTED] - dispatch memo attached (2 Feb 55)		
STATINTL	96, 97	[REDACTED]		
	98	Mr. Irving McConnell, Chairman EIC Subcommittee (Electronics)		
	99	Mr. Edmund Brunner, Chairman EIC Subcommittee (Armaments)		
	OVER			

STATINTL 100 [REDACTED] NIC
 101 D/B
 STATINTL 102 [REDACTED] Hq. OO/C, Wing A, Quarters I
 103 D/E
 STATINTL 104 St/PB, [REDACTED]
 105, 106 D/S
 107, 108 D/A
 109 - 138 Retained in D/I for distribution to new personnel and personnel being briefed by D/I
 139 OCI, Chief, Soviet Staff
 140 Chairman, EIC Subcommittee (Industrial Equipment) [REDACTED]
 141 - 179 Records Center
 180 St/PC file copy 12 Nov 54 STATINTL
 141 - 153 Received in St/PC 26 Nov 54
 141 - 151 See attached memo 26 Nov 54
 STATINTL 79 [REDACTED] St/I 1 Dec 54 Ret'd 3 Jan 55
 STATINTL 38 [REDACTED] OSI 8 Dec 54
 106 Ret'd 22 Dec. 54
 STATINTL 79 [REDACTED] SR Injection 10525 Bldg 14 June 55
 59 ret'd 27 JULY 55
 78, 106, 1524 153 Sent to Recorder 27 Dec 56

STATINTL

12 November 1954

MEMORANDUM FOR: Chief, Liaison Division, OCD

ATTENTION :

25X1A

FROM : Chief, Projects Control Staff, ORR

SUBJECT : Transmittal of Material

1. It is requested that the attached two copies of A Guide to the Industrial Division, ORR be forwarded as follows:

Copy #98 Mr. Irving R. McConnell
Signal Corps Intelligence Agency
Dept. of the Army
Room 3052, Main Navy Bldg.

Copy #99 Mr. Edmund D. Brunner, Jr.
Senior Analyst
Industrial Vulnerability Branch
Target Analysis Division
Dept. of the Air Force
Room 1001, Tempo U Bldg.

2. The above two recipients are cleared to receive this document.

25X1A

Attachments:

As per para 1

St/PC [redacted]jl

25X1A

25X1A

26 November 1954

MEMORANDUM FOR: Chief, Liaison Division, OCD

ATTENTION :

FROM :

SUBJECT :

Chief, Projects Control Staff, ORR

Dissemination of ORR Report

It is requested that the attached copies of A Guide to the Industrial Division, ORR be forwarded as follows:

Copy No.

Recipient

141	State, Chief, Acquisition and Distribution Division
142	Joint Chiefs of Staff - Secretary, JIG
143	Army, Assistant Chief of Staff, G-2
144	Navy, Director, ONI
145, 146	Air Force, Director of Intelligence
	1 - Strategic Air Command
147	(through 2054 Q Bldg.)
148	Assistant Secretary of Defense, International Security Affairs
149	Office of Assistant Secretary of Defense, Research and Development, Chief, FIB
150	Mr. Edward J. Carroll, USIA, IRI/C, Room 811, 1734 New York Avenue, NW, Washington 25, DC
151	

11 Attachments

St/PC j1

19 November 1951

MEMORANDUM FOR: AAD/RR

FROM : Chief, St/PC

SUBJECT : A Guide To The Industrial Division, ORR

1. Prior to his departure, Dr. Guthrie directed that a copy of the subject paper be forwarded to the DD/I with an accompanying memo. That memo has been returned to St/PC with the following comment by the DD/I:

"Very good business. Should be circulated to other agencies. Clark Committee Task Force, SAC
[REDACTED]"

2. The dissemination indicated by the DD/I is under-way.

[REDACTED] STATINTL

STATINTL St/PC [REDACTED] aw

Executive Registry
6-2735

12 November 1954


MEMORANDUM FOR: Deputy Director, Intelligence

SUBJECT : A Guide To The Industrial Division, ORR

1. The foreword to the attached guide thoroughly explains the primary purpose for its preparation. In addition to internal use, copies will be distributed on an ad hoc basis to other Offices who will benefit from this detailed description of the Industrial Division in their servicing of ORR.

2. If the reaction to this informal guide is highly favorable, we plan to prepare similar guides for other divisions.

25X1A


OTTO E. GUTHE
Assistant Director
Research and Reports

Attachments

SECRET

1 - ST/PC			✓
2 - D/I Staff			✓
3-25 - OO/C and Field Offices	thru ST/I		✓
26 - Chief, D/I		STATINTL	✓
27 - Deputy			✓
28 - [REDACTED] OO/RR/Liaison			✓
29 - SAD/RR			✓
30-35 - ORR Reading Panel			✓
36-39 - CH/C and Staff			✓
40-43 - CH/E and Staff			✓
44-50 - D/I Branches			✓
51-53 - OCH/D/I			✓
54-56 - ST/I			✓
STATINTL 57 - D/M			✓
58 - D/S			✓
59 - D/A			✓
60 - D/T			✓
STATINTL 61-65 - FDD Attention [REDACTED] 20057		STATINTL	✓
66 - [REDACTED] 1608 J Bldg		STATINTL	✓
67-73 - [REDACTED]			✓
STATINTL 74-75 - OCD/IR		STATINTL	✓
76 - OCD Library		STATINTL	✓
STATINTL 77 - [REDACTED] (thru [REDACTED] ST/PR/S)		STATINTL	✓
78-80 - DD/I			✓
81 - OAD/SI			✓
STATINTL 82-83 - OAD/CI			✓
84 - OAD/NE			✓
85-90 - [REDACTED] (Thru ST/PC)			✓
STATINTL 91 - [REDACTED] (Thru ST/PC)		STATINTL	✓
92-95 - Senior Reps.		(Thru ST/PC)	✓

Approved For Release

1117 Q
99R000100050001-9

96-97

STATINTL

~~91-99~~

100

101

102

STATINTL

103

104

STATINTL

105-106

107-108

109-138

141

~~149~~-179

180 -

D/B

D/E

ST/PC

D/S

D/A

Retained in D/I For distribution to new personnel and personnel being briefed by O/I.

To ST/PC for transmission to Record Center pending further dissemination requests. ST/PC (Record copy)

(When ST/PC)

NTL

STATINTL

STATINTL

STATINTL

STATINTL

If approved by AD/RR one copy should go to the E/C Subcommittee (Armaments) - 99 -
one to " " (Electronics) - ~~98~~ 98
one to " " (Industrial Equipment) - 140

and Sanitized

139

~~140~~

1 - O/C - ^{CH} Soviet Staff

25X1A

AIR

SECRET

25X1A

Attn

**Administrative
Transmittal of Material Listed Below**

Please forward the separate cover enclosures to this dispatch
to the addressees listed on the memoranda.

25X1A

31 January 1955

Enclosures:

- A- 1. Memo #43, 21 January 1955, 1 & 1 w/enclosures, S.
- B- 2. Artillery Report (7 copies), enclosure to Memo #43, 21 January 1955, S.
- C- 3. Pouch Receipt #79, 29 November 1954, U.
- 4. Pouch Receipt #80, 10 December 1954, U.
- 5. Pouch Receipt #81, 13 January 1955, U.
- 6. "A Guide to the Industrial Division," 15 October 1954 (4 copies), S.

Distribution:

- O & 2 - Addressee
- 1 - RI
- 1 - FE/FI
- 1 - PCS/OCI
- ✓ 1 - St/FC/RI
- 2 - QAD/RR

25X1A

25X1A

SECRET

SECRET

Current and Proposed Distribution
of

D/I Briefing Guide 25X1A

AD
[Redacted] will not distribute until he has seen you.

Copies distributed:

Copy Number	Recipient
1	AD/RR, Chief
2	D/I/Staff
3 - 25	OO/C [Redacted]
26	Chief, D/I
27	Deputy Chief, D/I
28	[Redacted] OO/RR/Liaison
29	AD/RR, Special Assistant
40 - 43	Ch/E and Staff
44 - 50	D/I, Branches
57	D/M
58, 105, 106	D/S
59, 107, 108	D/A

Total 47 copies

Proposed additional distribution:

Number of Copies	Recipient
6	ORR Reading Panel
4	Ch/C
1	-EIC Subcommittee (Armaments)
1	-EIC Subcommittee (Electronics)
1	-EIC Subcommittee (Industrial Equipment)
3	O/Ch/D/I
3	St/I
1	D/T
1	OAD/RR
5	FDD
1 - 10	DDP
2	OCD/IR
1	OCD/Library
1	[Redacted]
2	DD/I
1	AD/SI

Through

St/PC
Direct
St/I
Direct
Direct
Direct
Direct
Direct
Direct
Direct
Direct

Give 25X1A OKed use with cover - and revised distribution below. I want to attach a note to the copy for D/I. This is an internal paper with ad hoc distribution to those who want and can use the document to our advantage.
OEG

25X1A

Through

Direct
Direct
Ch/C
Ch/C
Ch/C
Direct
Direct
Direct
St/PC

1608 J Bldg.

Direct
St/S
OAD/RR (St/PC)
OAD/RR St/PC

SECRET

SECRET

Current and Proposed Distribution
of
D/I Briefing Guide

Proposed additional distribution (continued):

	<u>Number of Copies</u>	<u>Recipient</u>	<u>Through</u>
	1	AD/CI att: Chief, Soviet Staff	OAD/RR (St/PC)
	1	AD/NE att: [REDACTED]	OAD/RR (St/PC) 25X1A
	6	[REDACTED]	St/I
25X1A	1	[REDACTED]	St/I
	4	Senior Rep., [REDACTED]	St/PC 25X1A
25X1C	2	[REDACTED]	St/I
	1	[REDACTED]	St/PC*
	1	[REDACTED]	St/PC*
	1	[REDACTED]	[REDACTED] 25X1A
	1	D/B	Direct
25X1A	1	[REDACTED]	Hq. OO/C, Wing A, Qtrs. Eye
<hr/> Total 66			

* To be sanitized by St/PC prior to dissemination.

SECRET

SECRET
US OFFICIALS ONLY

ST/PC file

1311

A GUIDE TO THE INDUSTRIAL DIVISION, ORR

15 October 1954

CENTRAL INTELLIGENCE AGENCY

OFFICE OF THE CHIEF, ECONOMIC RESEARCH

OFFICE OF RESEARCH AND REPORTS

US OFFICIALS ONLY
SECRET

W A R N I N G

This material contains information affecting the National Defense of the United States within the meaning of the espionage laws, Title 18, USC, Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

TO: Recipients of Industrial Division, Out, Briefing Guide
 FROM: Chief, D/I
 SUBJECT: Comments re Briefing Guide

1. In anticipation of periodic revisions of the Industrial Division Briefing Guide, your comments are solicited. We are interested in receiving:

a. Your appraisal of the value of the guide insofar as it aids you in understanding the general requirements and the nature and scope of the missions and responsibilities of the Industrial Division.

b. Any suggestions you may have for the addition of information which would be of value in improving the usefulness of the guide.

c. Your comments may be noted below and returned to D/I

Chief, D/I

100-45-24

TO: Chief, ORR/D/I

FROM:

Comments:

S-E-C-R-E-T

US OFFICIALS ONLY

A GUIDE TO
THE
INDUSTRIAL DIVISION, ORR

This material contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, USC, Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

15 October 1954

CENTRAL INTELLIGENCE AGENCY

Office of the Chief, Economic Research
Office of Research and Reports

US OFFICIALS ONLY

S-E-C-R-E-T

S-E-C-R-E-T

FOREWORD

This guide is designed to serve a dual purpose.

(1) It is intended to provide new D/I personnel with a handy reference aid on the Industrial Division. Organization, missions, functions, responsibilities, current gaps, and research completed and in progress are summarized so that the new professional analyst may be aware of the operations of the Division from an overall economic research point of view. It is not a substitute for thorough briefing and training within an assigned branch but will serve to answer many questions as to who does what -- and why.

(2) In addition, the guide will give personnel who come to D/I before assuming an overseas assignment a summary statement about the Division. Such personnel servicing D/I interests or performing duties calling for frequent contact with the Division will be able to retain this guide which will aid in understanding the responsibilities of the Industrial Division. This in turn will aid the Division in its receipt of information useful to it. Except in those instances where time is unavailable this guide is not intended to serve as a substitute for oral and written briefings on a branch or analyst basis.

S-E-C-R-E-T

S-E-C-R-E-T

CONTENTS:

	Page
Industrial Division	1
Weapons and Ammunition	5
Transport and Heavy Machinery	12
Aircraft	21
Medium Machinery	29
Shipbuilding	37
Electrical Equipment	45
Consumer Industries	54

S-E-C-R-E-T

INDUSTRIAL DIVISION

ORR

Mission

1. The Industrial Division is responsible for producing all-source economic intelligence on the engineering, or metalworking industries and for consumer goods and standards of living within the Soviet Bloc, for contributing to the coordination of intelligence production in this field within the US Government, and for contributing, within its field of responsibility, to national estimates.

2. The engineering or metalworking industries include generally:

- a. Weapons and Ammunition
- b. Aircraft and Guided Missiles
- c. Shipbuilding
- d. Transportation Equipment
- e. Electrical and Electronic Equipment
- f. Medium and Heavy Machinery

3. The consumer goods industry includes textiles, apparel, and consumer hard goods (not including foods and food products).

Functions

Within its field of responsibility, the Industrial Division shall:

1. Formulate, recommend, and prepare, or coordinate the preparation of research programs and intelligence studies bearing on the economic capabilities, vulnerabilities, and intentions of the Soviet Bloc.

S-E-C-R-E-T

S-E-C-R-E-T

2. Provide economic, including current, intelligence support and technical advice to other components of CIA or to other US Government agencies.

3. Maintain working liaison with other US Government agencies.

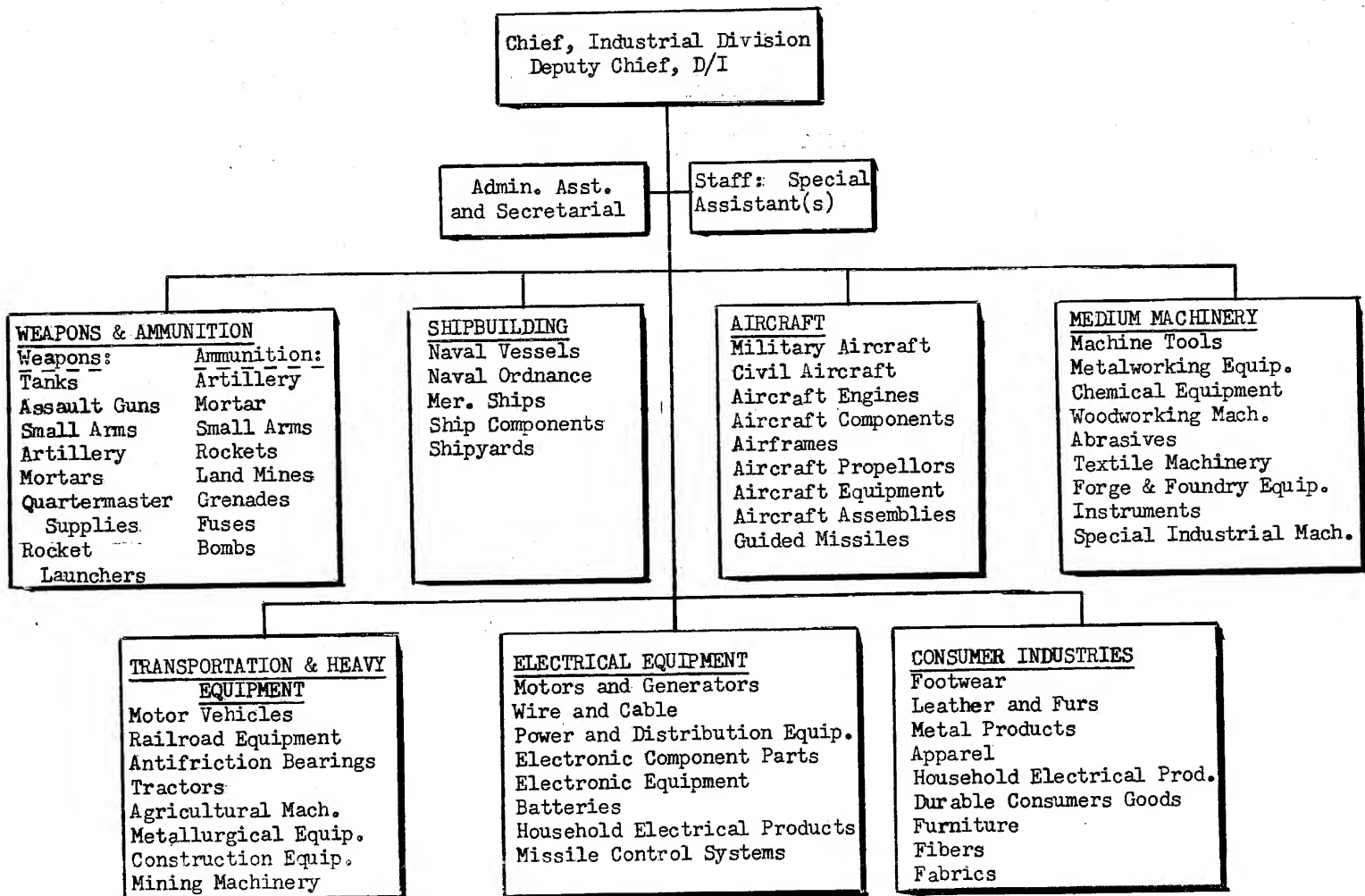
4. Provide chairmen and/or secretariat for EIC subcommittees.

5. Prepare collection, collation, and exploitation requirements, and provide guidance and evaluation in support thereof.

6. Recommend and work with, as necessary, consultants and/or consultant panels to assist in carrying out Divisional responsibilities.

7. Review and evaluate intelligence reports received from US and other Government agencies.

S-E-C-R-E-T



S-E-C-R-E-T

INDUSTRIAL DIVISION

Completed or Published Research*

RR No.	Title	Classification
WP-38.8	The Engineering Industries of Communist China 1 Sep 53	Sec
PR-55	Industrial Development in the Lan-chou Area 2 Apr 54	Sec/US Officials Only

FY 1954 Research to be Published

Project No.	RR No.	Title
38.250	PR-72	The Engineering Industries of Shanghai
38.251		The Engineering Industries of Dairen
38.253	PR-78	Survey of Poland's Engineering Industries

* Reports prepared by other than current D/I branches.

- 4 -

S-E-C-R-E-T

S-E-C-R-E-T

WEAPONS AND AMMUNITION BRANCH

ORR/I

Mission

The Weapons and Ammunition Branch (I/WA) is responsible for producing all-source economic intelligence concerning the manufacture of weapons and ammunition within the Soviet Bloc and concerning the international trade of such weapons and ammunition. The Branch is also responsible for contributing to, and coordinating with, intelligence work performed by other units of CIA and other US agencies.

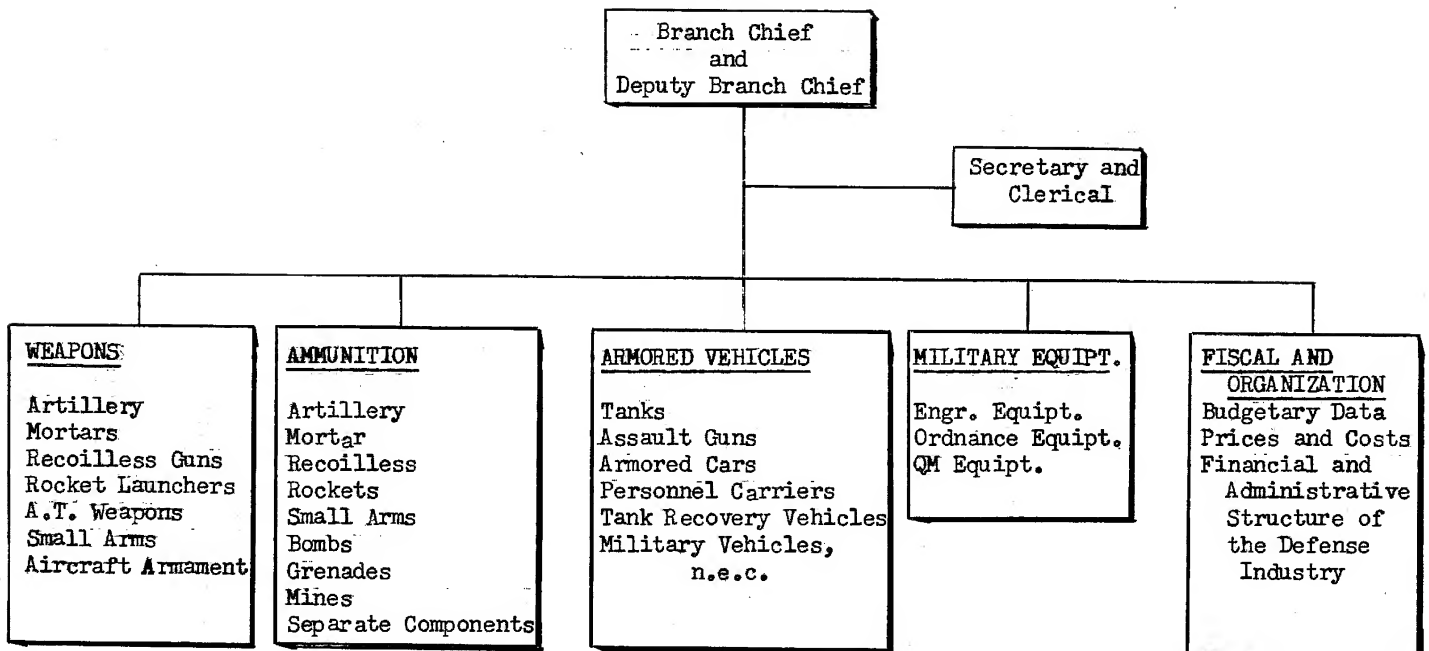
This Branch has cognizance over such items as armored vehicles and specialized military vehicles, land and aircraft weapons and ammunition except nuclear items, naval ammunition except under-water ordnance, some military engineering equipment, some ordnance equipment, and some quartermaster equipment.

- 5 -

S-E-C-R-E-T

S-E-C E-T

WEAPONS AND AMMUNITION



S-E-C-R-E-T

Commodity Responsibilities, I/WA

<u>ORR Classification No.</u>	<u>Commodity</u>
93	Weapons (excluding Nuclear Weapons)
931	Tanks, Assault and Other Self-Propelled Guns, Armored Combat Vehicles, and Specialized Military Transport Vehicles
932	Small Arms (up to and including 20 mm)
933	Artillery (all guns over 20 mm and including Airborne but not Shipborne guns)
935	Army Engineering Equipment (purely military items, excluding Land Mines and Booby Traps)
936	Single and Multi-Tube Rocket Launchers (excluding Shipborne types)
938	Industrial Combat Equipment
9381	Ordnance Repair and Maintenance Equipment
939	Weapons and Weapons Equipment, n.e.c.
9391	Mortars
9392	Recoilless Rifles
9393	Flamethrowers
94	Ammunition (excluding Naval, Chemical, and Biological Warfare ammunition)
941	Artillery Ammunition
942	Mortar Ammunition
943	Small Arms (including 20 mm ammunition)
944	Unguided Rockets (including Antitank Rockets)
945	Land Mines and Booby Traps
946	Bombs and Pyrotechnics
947	Grenades (including Energa type Antitank Grenades)
948	Fuses
949	Ammunition, n.e.c.

S-E-C-R-E-T

S-E-C-R-E-T

Completed or Published Research, I/WA

RR No.		Classification
PR-25	The Tank and Assault Gun Industry of the USSR 27 Feb 53	Sec
PR-47	Inputs for the Peacetime Production of Small Arms, Mortars, and Artillery Pieces in the USSR 29 Jan 54	Sec
PR-59	Production of Floating and Fixed Bridging in the Soviet Bloc 24 May 54	Secret US Officials Only
PR-36	The Soviet Potential for the Production of Munitions 18 Aug 54	Top Secret
RR-41	The Ammunition Inventory of the Soviet Bloc 27 Aug 54	Secret US Officials Only
RR-IM 371	Military Vehicle Production in East Germany 27 Mar 53	Secret IAC Only
31.210	Plant Study of the Tula Arms Plants Nos. 535 and 536	Sec
37.8	Special Weapons Production in the Soviet Bloc (Mortars, Rocket Launchers, and Recoil- less Weapons)	Sec

S-E-C-R-E-T

FY 1954 Research to be Published, I/WA

Project No.	RR No.	Title
31.208		Inputs for the Production of Ammunition in the European Satellites
31.211	RR-79	Production of Small Arms, Mortars, Artillery in the European Satellites
31.213		The Tank and Assault Gun Industry of the USSR Part II

FY 1955 Scheduled Research, I/WA

Project No.	Title
31.482	The Development of the Soviet Tank and Assault Gun Park
31.483	The Artillery Industry of the USSR
31.484	Armament Production Facilities in Communist China
31.485	Appraisal of Indexes of Ammunition Production USSR
31.486	Financial Organization of the Defense Industries of the USSR
31.487	USSR Ammunition Inputs in Relation to Military Demand
31.575	Input Requirements of the Ammunition Industry in Communist China

S-E-C-R-E-T

S-E-C-R-E-T

Major Gaps in Intelligence, I/WA

1. Tanks

- a. In what quantities and at what plants are the new medium and heavy tanks produced? Description of the models.
- b. What is the extent of production of tanks in Poland and Czechoslovakia? In what plants?
- c. What is the stockpiling policy and practice? What is the depreciation factor in Soviet experience?

2. Artillery

- a. Where are the new 57mm and 100mm manufactured? In what quantities? What are current developments in guns over 150mm? Where is production taking place?

3. Small Arms

- a. What plants are making the new semi-automatic rifle? In what quantities? What is its method of operation?

4. Antitank Weapons

- a. What are the current developments in recoilless rifles and bazookas? Where is production taking place?

5. Flame-throwers

- a. What type is being developed by the USSR? Kind of fuel? Propellant?

6. Bridging

- a. Are any efforts taking place to develop and stockpile prefabricated fixed railroad bridging? Types? Quantities?

S-E-C-R-E-T

7. Ammunition

- a. Concerning military depots for assembling ammunition:
Description of equipment and layout. Locations.
Operational functions.
- b. Identification of explosive and powder plants by
plant symbols.
- c. Official policy on allocation to units training
expenditures, and local and national reserves.

8. Financial Data

- a. Actual prices of all items of military equipment.
- b. Authentic military budget information.

S-E-C-R-E-T

TRANSPORT AND HEAVY MACHINERY BRANCH

ORR/I

Mission

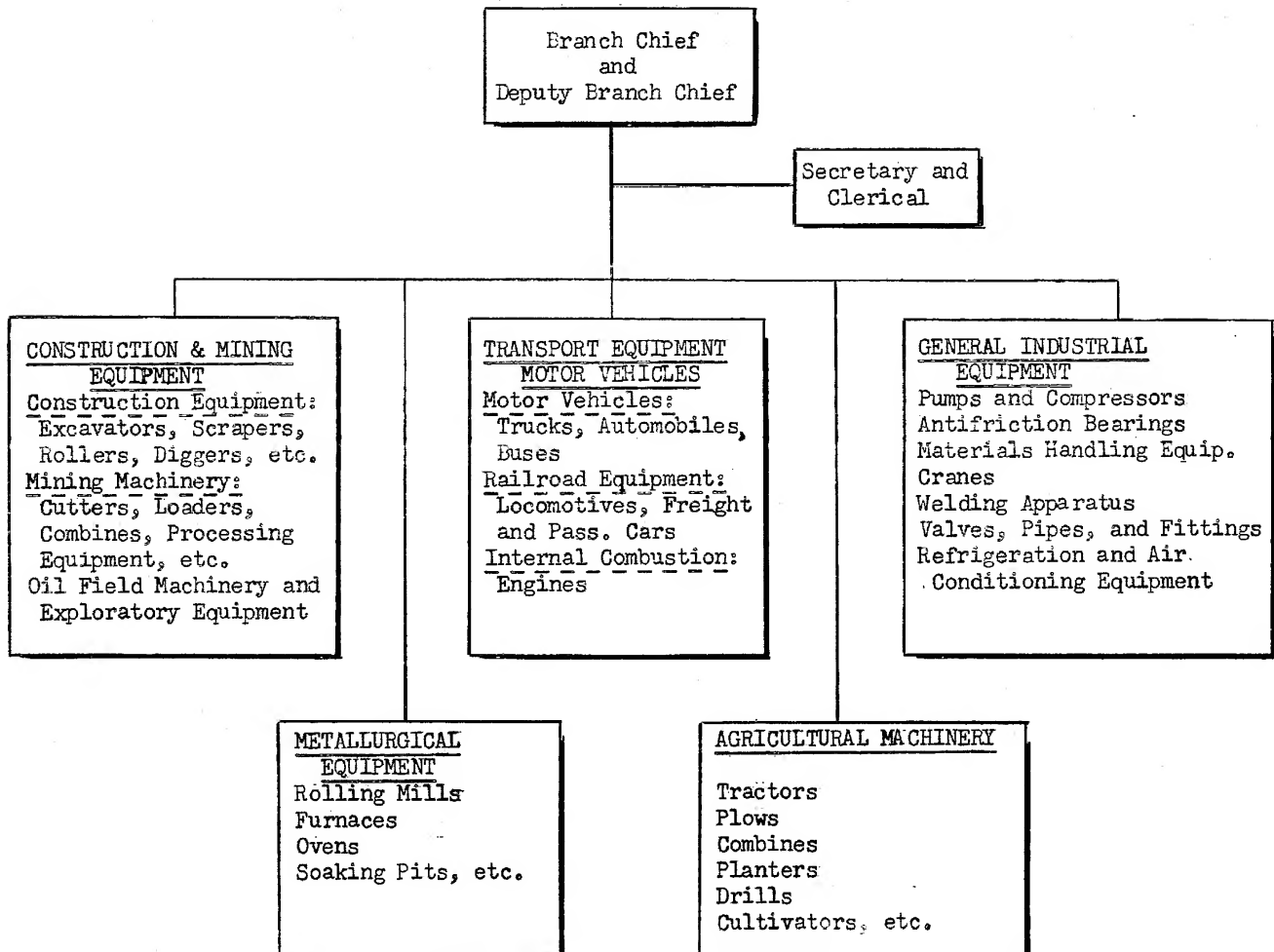
The Transport and Heavy Machinery Branch (I/TH) is responsible for producing all-source economic intelligence on the transport and heavy machinery industries of the Soviet Bloc, for contributing to the coordination of such intelligence production within the US Government, and for contributing, within its field of responsibility, to national estimates. The transport and heavy machinery industries include generally transportation, materials handling, construction, agricultural, and heavy industrial equipment, metallurgical machinery, and anti-friction bearings.

- 12 -

S-E-C-R-E-T

S-E-C-R-E-T

TRANSPORT AND HEAVY EQUIPMENT BRANCH



S-E-C-R-E-T

S-E-C-R-E-T

Commodity Responsibilities, I/TH

<u>ORR Classification No.</u>	<u>Commodity</u>
3612	Diesel Engines and Other Internal Combustion Machines
3621	Tractors
3622	Flows
3623	Combines
3624	Planters
3625	Drills
3626	Cultivators
3627	Harvesting Machinery (except Combines)
3628	Dairying Machinery
3629	Agricultural Machinery, n.e.c.
363	Construction and Mining Machinery
3631	Construction Machinery
36311	Excavators and Trench Diggers
36312	Graders, Rollers, and Scrapers
36313	Spreaders and Mixers
36314	Hoists, Loaders, and Winches
3632	Coal-Mining Machinery
36321	Coal Cutters
36322	Coal Combines
36323	Coal Loaders
3633	Coal-Processing Machinery
3634	Oil Field Machinery and Exploratory Equipment
3639	Construction and Mining Machinery, n.e.c.
3642	Metallurgical Machinery
366	General Industrial Machinery
3661 (M/CH)*	Pumps and Compressors
3662	Fans and Blowers
3663	Refrigeration and Air-Conditioning Equipment
3664 (M/CH)*	Industrial Furnaces and Ovens
3665	Materials Handling Equipment
36651	Elevators and Escalators

* Dual responsibility with designated ORR branch.

S-E-C-R-E-T

S-E-C-R-E-T

Commodity Responsibilities, I/TH
(continued)

<u>ORR Classification No.</u>	<u>Commodity</u>
36652 (M/CH)*	Conveyors and Conveying Equipment
36653	Mechanical Stokers and Chain Grates
36654	Cranes (except Railroad Mounted)
36655	Industrial Trucks, Tractors, Trailers, and Stokers
3666	Mechanical Power Transmission Equipment
3667	Welding Apparatus
3669	General Industrial Machinery, n.e.c.
369	Machinery and Machinery Parts, n.e.c.
3691 (M/P-M/CH)*	Valves and Valve Fittings
3692 (M/CH)*	Fabricated Pipes and Fittings
3693	Bearings
36931	Ball and Roller Bearings
36932	Plain Bearings
3694	Industrial Carbon and Graphite Products
38	Transportation Equipment
381	Motor Vehicles and Parts
3811	Trucks
3812	Automotive Passenger Cars
3813	Buses (including Trolley Buses)
3814	Motorcycles
3815	Motor Scooters
382	Bicycles and Parts
383	Locomotives and Parts
3831	Steam Locomotives
3832	Electric Locomotives
3833	Diesel Locomotives
3834	Mining Locomotives

* Dual responsibility with designated ORR branch.

S-E-C-R-E-T

S-E-C-R-E-T

Commodity Responsibilities, I/TH
(continued)

<u>ORR Classification No.</u>	<u>Commodity</u>
3835	Industrial and Plant Locomotives
384	Freight Cars and Parts
3841	Boxcars
3842	Flatcars
3843 (M/CH)*	Tank Cars
3844	Hopper Cars
3845	Refrigerator Cars
3846	Mine Cars
3847	Industrial and Plant Cars
3849	Freight Cars, n.e.c.
385	Railroad Passenger Cars and Parts
386	Other Rolling Stock and Parts
389	Transportation Equipment, n.e.c.

* Dual responsibility with designated ORR branch.

S-E-C-R-E-T

S-E-C-R-E-T

Completed or Published Research, I/TH

RR No.	Title	Classification
RR-21	The Coal Mining Equipment Industry of the USSR 27 May 53	Sec
RR-26	The Antifriction Bearings Industry in the Soviet Bloc 30 Oct 53	Secret US Officials Only
RR-27	Production of Locomotives and Rolling Stock in USSR and European Satellites 31 Dec 53	Sec
RR-27-S1	The Railroad Equipment Industry of East Germany 5 Mar 54	Secret US Officials Only
RR-34	Production of Locomotives & Rolling Stock in Communist China 4 Jun 54	Secret US Officials Only
IM-371	Military Vehicle Production in East Germany 27 Mar 53	Sec
IP-353	The Anti-Friction Bearing Position of Communist China; Uses of Anti-Friction Bearings in the Soviet Bloc (Req. - D/E) 3 Nov 53	Confidential

S-E-C-R-E-T

S-E-C-R-E-T

Completed or Published Research, I/TH
(Continued)

<u>RR No.</u>	<u>Title</u>	<u>Classification</u>
IP-359	Soviet Bloc Motor Vehicle Production Estimate for the Years, 1947, 1950, and 1953 (Req.-EIC Subcommittee) 18 Jan 54	Sec
PR-13	The Tube and Pipe Mill Equipment Industry in the Soviet Bloc 1 Mar 52	Sec

FY 1954 Research to be Published, I/TH

<u>Project No.</u>	<u>RR No.</u>	<u>Title</u>
32.216		Diesel Engine Production in the USSR
32.218		Postwar Investment in Industry in the USSR
32.219		The Ferrous Metallurgical Equipment Industry in the Soviet Bloc
32.221		The Tractor Industry in the European Satellites
32.292	RR-37	The Tractor Industry in the USSR

S-E-C-R-E-T

S-E-C-R-E-T

FY 1955 Scheduled Research, I/TH

Project No.	Title
32.488	Industrial Investment Policy in East Germany
32.489	Replacement Capital Requirement in Soviet Industry
32.490	Construction and Road Building Equipment Production, East Germany

S-E-C-R-E-T

S-E-C-R-E-T

Major Gaps in Intelligence, I/TH

1. Two groups of commodities for which the branch is responsible have had such limited study as to warrant labeling them major gaps. The first of these groups includes oil field machinery and exploratory equipment. The importance of this group lies not so much in its resource use as in its strategic intelligence significance. Changes in the oil needs of the Soviet Bloc are likely to be anticipated by changes in exploratory and drilling activities. A second commodity gap lies in the group constituting General Industrial Machinery. This category includes pumps, valves, compressor, pipe and pipe fittings, materials handling equipment and the like. No one of these commodities is of sufficient importance to warrant detailed study. Yet as a group they are a sizeable consumer of raw materials and manpower in any industrialized country.
2. For the remaining commodities for which the branch is responsible, coverage is most nearly complete and up-to-date for the USSR, as indicated by the list of projects completed and in process. East German coverage is second to the USSR and by the end of FY 55 the branch will have its research on major commodities in East Germany in nearly as complete form as in the USSR. Intelligence on the remainder of the Satellites and China lags far behind that of the USSR.
3. Even within the countries and commodity groups not cited as major gaps, there are aspects in which the branch intelligence is weak or missing. The primary concentration of effort until very recently has been on production data. In connection with production data, some input data have been forthcoming as well as some data on usage. In the realm of foreign trade, however, the gaps are very large. Although there are some data on imports and exports by commodity and country, no method has yet been devised to ascertain the total magnitude of the trade. In addition, knowledge of the magnitude of and changes in the prices of the several commodities assigned to the branch is weak for the bloc.

- 20 -

S-E-C-R-E-T

S-E-C-R-E-T

AIRCRAFT BRANCH

ORR/I

Mission

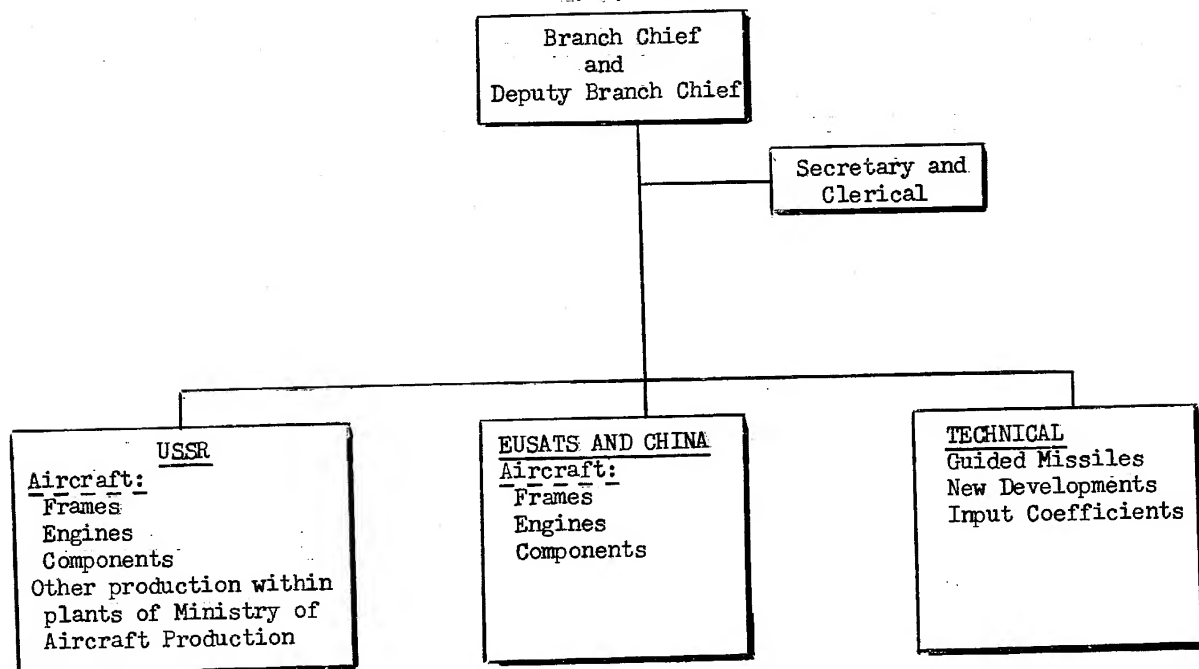
The Aircraft Branch (I/AR) is responsible for producing all-source economic intelligence on the aircraft and guided missiles industries of the Soviet Bloc, for contributing to the coordination of such intelligence production within the US Government, and for contributing within its field of responsibility to national estimates. The aircraft industries generally include complete aircraft of all types, airframes, engines, instruments, armaments and components.

- 21 -

S-E-C-R-E-T

~~S-E-C-R-E-T~~

AIRCRAFT BRANCH



~~S-E-C-R-E-T~~

S-E-C-R-E-T

Commodity Responsibilities, I/AR

<u>ORR Classification No.</u>	<u>Commodity</u>
91	Aircraft
911	Bomber Aircraft
9111	Light
9112	Medium
9113	Heavy
9114	Reconnaissance
9115	Ground Attack
9116	Amphibious
912	Fighter Aircraft
9121	Day Fighters
9122	Night and All-Weather Fighters
9123	Interceptors
9124	Fighter Bombers
9125	Reconnaissance
9126	Amphibious
913	Transport Aircraft
9131	Light
9132	Medium
9133	Heavy
9134	Amphibious
914	Utility and Other Aircraft
9141	Trainers
9142	Liaison
9143	Helicopters
9144	Autogiros
9145	Gliders
9146	Lighter-than-Air
9147	Drones
9148	Amphibious
915	Aircraft Engines
9151	Reciprocating (Piston)
9152	Turbo Jet
9153	Pulse Jet
9154	Ram Jet
9155	Rocket
9156	Turbo Prop
9157	Jato
9159	Aircraft Engines, n.e.c.
916	Aircraft Propellers
9161	Fixed Pitch

S-E-C-R-E-T

S-E-C-R-E-T

Commodity Responsibilities, I/AR
(continued)

<u>ORR Classification No.</u>	<u>Commodity</u>
9162	Hydromatic
9163	Electric
9164	Supersonic
9165	Rotors
917	Aircraft Assemblies and Components
9171	Airframe Assemblies
9172	Airframe Components
9173	Engine Assemblies
9174	Engine Components
9175	Propeller Assemblies
9176	Propeller Components
918	Aircraft Equipment
9181	Airframe Equipment
9182	Engine Equipment
9183	Maintenance and Servicing Equipment
9189	Aircraft Equipment, n.e.c.
937	Guided Missiles (all types)
9371	Engines
9372	Airframes
9373	Warheads
9374	Servicing and Launching Equipment

S-E-C-R-E-T

S-E-C-R-E-T

Completed or Published Research, I/AR

<u>RR No.</u>	<u>Title</u>	<u>Classification</u>
RR-35	Input Requirements of the Aircraft Industry of the USSR 15 Jun 54	Sec
IP-37.1	Institutions in the USSR Contributing to the Research, Development, and Production of Guided Missiles (Req.-OSI)	Top Secret
PR-8	Input Requirements of the Aircraft Industry of the USSR, 29 Oct 51	Top Secret
PR-18	Aircraft Assembly Plants in the Soviet Bloc, 24 Sep 52	Sec
PR-19	Computation of Input Requirements of the Aircraft Industry of the USSR, 31 Oct 52	Sec
33.227	A Method of Estimating Foreign Airframe Production	Sec
(No Number)	Methods of Estimating Aircraft Engine Production	Sec

S-E-C-R-E-T

S-E-C-R-E-T

FY 1954 Research to be Published, I/AR

Project No.	Title
33.224	Aircraft Industries of the European Satellites
33.225	Aircraft Industry of the USSR

FY 1955 Scheduled Research

Project No.	Title
33.493	Analysis of the Aircraft Engine Industry of the USSR
33.494	Guided Missile Production in the USSR
33.495	Analysis of the Capital Equipment in Airframe Industry
33.496	Industrial Structure of the USSR Aircraft Component Supply Complexes
33.497	Production Index for the Aircraft Industries of the European Satellites
33.599	Detailed Study of One Airframe Plant in the USSR
33.598	Production of Items other than Aircraft in Aircraft Plants of the USSR

S-E-C-R-E-T

S-E-C-R-E-T

Major Gaps in Intelligence, I/AR

1. Model in Production

Information is available for the bulk of the aircraft plants, however, there are a significant number of plants in which a change in plant activity is in process. On other plants there is a lack of recent intelligence and production estimates have been continued based upon information that is one or two years old.

2. Plant Floorspace

During World War II the Germans photographed the area west of the Urals. This information is now outdated and later photography or floorspace information is needed.

There is not even outdated photography on plants to the east of the Urals. Estimates of floorspace for these plants were either made by the Germans on the basis of interrogations during World War II, or derived from an analysis of plant sketches together with estimated dimensions made by PWs who worked at or near the plants. Obviously these estimates need the confirmation which plant photography could provide.

3. Scale of Effort

Information on the scale of effort at the Soviet aircraft plants is lacking. The over-all scale of effort is not always devoted solely to aircraft production, other activities such as aircraft repair, experimental and design work, consumer and non-aircraft goods production takes place at Soviet aircraft plants. Scale of effort on aircraft production may be estimated fairly closely providing the effort on the other activities is known.

4. Relative Efficiency

The Soviet and US World War II records in aircraft production have been compared in order to determine a relative efficiency for the USSR as of 1944. More recent information is needed in order to establish current Soviet efficiency.

S-E-C-R-E-T

5. Subcontracting

There is very little information regarding the level of subcontracting by Soviet plants. Late information on amounts subcontracted by the major air craft plants is desirable.

6. Spares

Allowance for spare parts production by Soviet plants is estimated from US experience adjusting according to intelligence information on Soviet aircraft usage. More direct information on spare parts production is needed.

S-E-C-R-E-T

MEDIUM MACHINERY BRANCH

ORR/I

Mission

The Medium Machinery Branch (I/MM) is responsible for producing all-source economic intelligence on the medium machinery industries of the Soviet Bloc, for contributing to the coordination of such intelligence production within the US Government, and for contributing within its field of responsibility to national estimates. The medium machinery industries include generally machine tools, perishable tooling, other metalworking machinery, instruments, oil and chemical machinery and special industrial machinery.

- 29 -

S-E-C-R-E-T

S-E A-E-T

MEDIUM MACHINERY

Branch Chief
and
Deputy Branch Chief

Secretary and
Clerical

INSTRUMENTS, MEASURING
AND TESTING EQUIPMENT

Equipment for Physical
Inspection & Measurement
Instruments for Chemical
Analysis (Non-Optical)
Optical Instruments
(except Photographic)
Metallographic Instruments
& Machines (Non-Optical)
Medical, Dental and Physio-
logical Instruments and
Apparatus (Non-Electronic)
Navigational Instruments
(Non-Electronic)
Cameras and Photographic
Equipment
Fire-Control & Military
Optical Instruments (Incl.
Airborne but not Shipborne
Guns)

SPECIAL INDUSTRIAL
MACHINERY

Food Products Mach'y.
Textile Machinery
Woodworking Mach'y.
Paper Industries
Machinery
Printing Trades Mach'y.
Chemical Equipment
Natural & Synthetic
Petroleum Ref. &
Processing Mach'y.
Plastic Molding Mach'y.
Spcl. Ind. Mach'y., n.e.c.
Office and Store Mach'y.

INDUSTRIAL PRODUCTS

Abrasives
Fabricated Structural
Steel Products

METALWORKING MACHINERY

Machine Tools
Foundry Machinery
Forging Machinery
Binding & Forming Mach'y.,
(incl. wire forming mach'y.)
Mech. & Hydraulic Presses
Punching & Shearing Mach'y.
Riveting Machinery
Metalworking Mach'y.
Accessories

S-E-C-R-E-T

Commodity Responsibilities, I/MM

<u>ORR Classification No.</u>	<u>Commodity</u>
335 (M/NF)*	Abrasives
354	Fabricated Structural Metal Products
364	Metalworking Machinery
3641	Machine Tools
36411	Boring Machines
36412	Broaching Machines
36413	Drilling Machines
36414	Gear-Cutting and Finishing Machines
36415	Grinding Machines
36416	Lathes
36417	Milling Machines
36418	Planers
36419	Machine Tools, n.e.c.
3643	Foundry Machinery
36431	Molding Machines
36432	Sand-Mixing and Mulling Machines
36433	Cleaning Machines
36434	Melting Equipment
36439	Foundry Equipment, n.e.c.
3644	Forging Machinery
3645	Binding and Forming Machinery (including Wire-Forming Machinery)
3646	Mechanical and Hydraulic Presses
3647	Punching and Shearing Machinery
3648	Riveting Machinery
3649	Metalworking Machinery Accessories
365	Special Industrial Machinery, n.e.c.
3651	Food Products Machinery
3652	Textile Machinery
3653	Woodworking Machinery
3654	Paper Industries Machinery
3655	Printing Trades Machinery
3656 (M/CH)*	Chemical Equipment
3657 (M/P)*	Natural and Synthetic Petroleum Refining and Processing Machinery
3658	Plastic-Molding Machinery
3659	Special Industrial Machinery, n.e.c.
367	Office and Store Machinery
39	Manufacturing, n.e.c.
391	Instruments, Measuring Equipment, and Machines and Apparatus for Testing

S-E-C-R-E-T

S-E-C-R-E-T

Commodity Responsibilities, I/MM
[Continued]

<u>ORR Classification No.</u>	<u>Commodity</u>
3911	Equipment for Physical Inspection of Raw and Processed Materials (Nonoptical)
39111	Equipment for Dimensional Inspection (such as Calipers and Gauges)
39112	Equipment for Measuring Nondimensional Physical Characteristics (such as Viscosity and Speed)
3912	Equipment for Physical Measurements Other than Those Characterizing Raw and Processed Materials (such as Nonoptical Speed and Time)
39121	Meteorological Instruments (Non-electronic)
39122	Geophysical Instruments (Nonelectronic)
3913	Instruments for Chemical Analysis (Nonoptical)
3914	Optical Instruments (except Photographic)
3915	Metallographic Instruments and Machines (Nonoptical)
3916	Medical, Dental, and Physiological Instruments and Apparatus (Non-electronic)
3917	Navigational Instruments (Nonelectronic)
3918	Cameras and Photographic Equipment
934	Fire-Control and Military Optical Instruments (including Airborne but not Shipborne Guns)

*Dual responsibility with designated ORR branch.

- 32 -

S-E-C-R-E-T

S-E-C-R-E-T

Completed or Published Reports, I/MM

<u>RR No.</u>	<u>Title</u>	<u>Classification</u>
PR-6	The Machine Tool Industry of the USSR, 26 Dec 51	Sec.
WP-29-51	The Metal Cutting Tool Industry in the USSR, 28 Jan 53	Sec.
34.290	Essentiality of Metalworking Machinery to the Soviet Bloc 30 Apr 54	Sec.
IM-344	World Production and Distribution of Abrasives, 19 Mar 51	Sec.

- 33 -

S-E-C-R-E-T

S-E-C-R-E-T

FY 1954 Research to be Published, I/MM

Project No.	RR No.	Title
34.229		The Machine Tool Industry in the USSR
34.230		The Machine Tool Industry in East Germany
34.231		The Abrasives Industry in the USSR
34.232		The Manufacture of Optical Instruments in the European Satellites
34.235		Agricultural Machinery Production in the USSR

FY 1955 Scheduled Research, I/MM

Project No.	Title
34.498	Metalforming Equipment Industry in East Germany
34.499	Chemical Equipment Production, East Germany
34.500	Abrasive Production in East Germany
34.501	Metalworking Equipment Production in the USSR
34.502	Production of Selected Machinery Items in China
(No number)	The Textile Machine Industry in the Soviet Bloc
(No number)	Non-Electronic Precision Instruments in the USSR

S-E-C-R-E-T

S-E-C-R-E-T

Major Gaps in Intelligence, I/MM

1. Soviet Bloc exclusive of China

a. Metalworking Machinery

Production: Basic estimates on output of foundry and forging machinery and mechanical and hydraulic presses. Refinement of machine tool estimates by type and capacity of machine tool.

Consumption: Distributed by major industry consumers.

Inventory: Growth and age of aggregate capacity.

Trade: Both intra-bloc and international by amount, origin and destination.

b. Special Industrial Machinery

Production: Basic estimates on output of textile machinery, chemical equipment, and petroleum refining and processing machinery.

Consumption: Distribution of equipment noted above by region.

Inventory: Growth of capacity, giving consideration to age of equipment and technological advance.

Trade: Both intra-Bloc and international for items noted above.

c. Industrial Instruments

Production: Precision instrument output and capacity classified by major type. This study should be directed toward the guided missile programs with classifications based on precision mechanism inputs. Because of the heterogeneous character of these inputs and the equipment requirements for them, it may be necessary to study

S-E-C-R-E-T

S-E-C-R-E-T

Major Gaps in Intelligence, I/MM

this from a number of directions, selecting a critical single item such as gyros capacity as a starting point.

2. China

a. Machine Tool Industry

Production: Machine tools. Quantity, types, quality, major producing centers.

Consumption: Distribution of domestic production by industry and region.

Trade: Imports by amount, type and point of origin.

S-E-C-R-E-T

S-E-C-R-E-T

SHIPBUILDING BRANCH

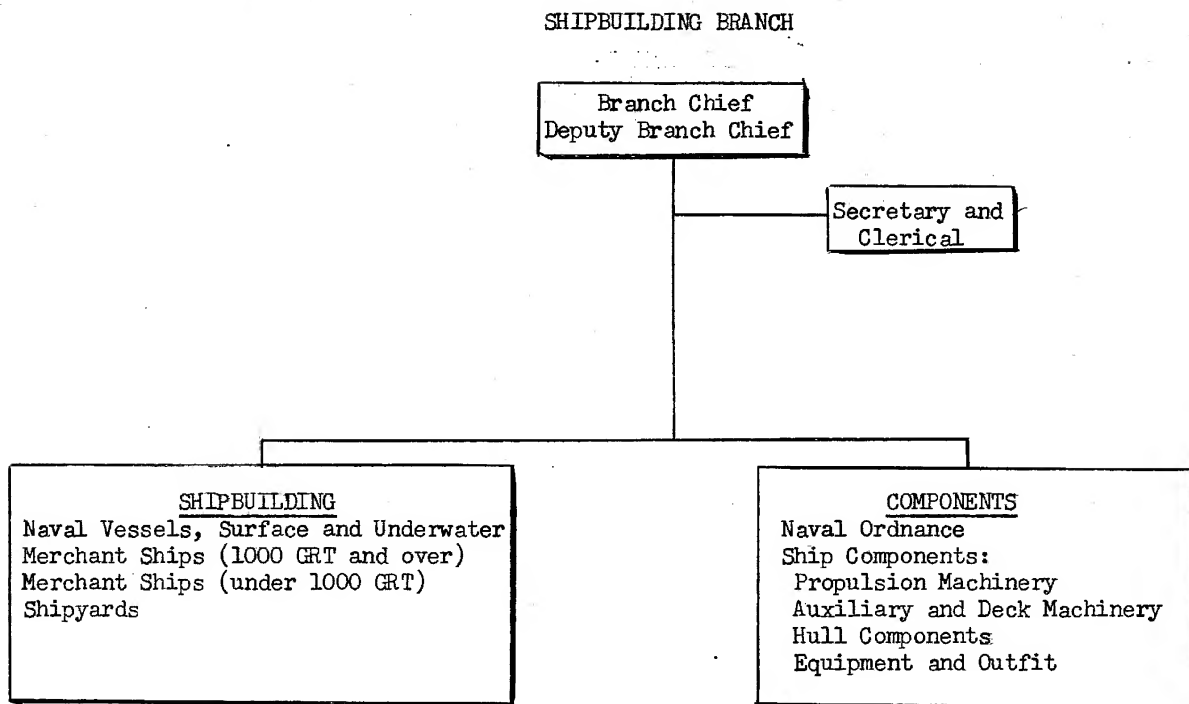
ORR/I

Mission

The Shipbuilding Branch (I/SH) is responsible for producing all-source economic intelligence on the shipbuilding industries of the Soviet Bloc, for contributing to the coordination of such intelligence production within the US Government, and for contributing within its field of responsibility to national estimates. The shipbuilding industries include generally all types of shipbuilding and naval ordnance.

- 37 -

S-E-C-R-E-T



S-E-C-R-E-T

Commodity Responsibilities, I/SH

<u>ORR Classification No.</u>	<u>Commodity</u>
92	Shipbuilding and Naval Equipment
921	Naval Vessels
9211	Principal Combat Types (surface)
9212	Minor Combat Types (surface)
9213	Submarines
9214	Naval Auxiliaries
922	Naval Ordnance
9221	Surface Ordnance
9222	Underwater Ordnance
923	Merchant Ships (1000 GRT and over)
924	Merchant Ships (under 1000 GRT)
925	Ship Components
9251	Main Propulsion Machinery
9252	Auxiliary and Deck Machinery
9253	Hull Components
9254	Equipment and Outfit
926	Shipyards
929	Shipbuilding and Naval Equipment, n.e.c.

S-E-C-R-E-T

S-E-C-R-E-T

Completed or Published Research, I/SH

RR No.	Title	Classification
RR-1	Shipbuilding Component Industry in East Germany 15 Feb 52	Sec
RR-8	Shipbuilding Industry of Communist China 27 Aug 52	Sec
RR-16	Ship Component Production in Czechoslovakia 9 Dec 52	Secret US Officials Only
RR-31	The Shipbuilding Industry of Czechoslovakia 19 Mar 54	Secret US Officials Only
MP-103	[REDACTED] Comments on CIA/RR-8, "The Shipbuilding Industry of Communist China" [REDACTED] 28 Nov 52	Sec
WP-35.10.1	Organization of the Ministry of the River Fleet of the USSR Prior to 15 March 1953	Confidential
PR-40	Marti Shipyard No. 444 Nikolayev Oblast 9 Dec 53	Secret US Officials Only
PR-60	Western European Shipbuilding for the Soviet Bloc and its Effects on the Bloc Economy 9 Jun 54	Secret US Officials Only

S-E-C-R-E-T

S-E-C-R-E-T

Completed or Published Research, I/SH
(continued)

RR No.	Title	Classification
PR-70	Molotovsk Shipyard No. 402 in Molotovsk, Archangel Oblast 19 Aug 54	Sec
WP-37-51	Input Requirements of Torpedo Production in the USSR and Satellites 11 Feb 53	Sec
WP-35-51	Input Requirements of the Submarine and Shipbuilding Industries of the USSR 20 Feb 53	Sec
RA-35.246	Interim Study of USSR Shipyards in Economic Regions IIa and IIb May 54	Sec
RA-35.247	Interim Study of USSR Shipyards in Economic Region III Jun 54	Sec
35.286	Compilation of Russian River Vessels, 22 Apr 54	Sec
IP-365	US Merchant Ships under Lend Lease to the USSR 7 Jul 54	Sec
35.571	Construction of Merchant Vessels in Western Yards for the Soviet Bloc, 30 Jul 54	Sec
30.570	Shipbuilding and Repairs for the Bloc and Uses of Acquired and Repaired Vessels, 20 Aug 54	Sec

- 41 -

S-E-C-R-E-T

S-E-C-R-E-T

FY 1954 Research to be Published, I/SH

Project No.	RR No.	Title
35.236	RR-43	Amur Shipyard No. 199
35.239	RR-46	Production of Steam Turbines and Gears in the USSR
35.241		Shipbuilding Industry in Poland
35.242	RR-42	Shipbuilding Industry in East Germany
35.243		Naval Gun and Gun Mount Production in the USSR

FY 1955 Scheduled Research

Project No.	Title
35.503	The River Shipbuilding Industry in the Soviet Union
35.504	USSR Estimated Construction for the River Fleet
35.505-35.508	Major Shipyards of the USSR
35.509	Marine Diesel Production in the USSR
35.510-35.514	Interim Studies of the USSR Shipyards by Economic Areas

S-E-C-R-E-T

S-E-C-R-E-T

FY 1955 Scheduled Research, I/SH
(continued)

Project No.	Title
35.515	The Shipbuilding Industry of Communist China
35.516	The Shipbuilding Industry in Rumania
35.517	The Shipbuilding Industry of Hungary

S-E-C-R-E-T

S-E-C-R-E-T

Major Gaps in Intelligence, I/SH

1. Up to the present time the principal effort in collection and research has concentrated on naval shipbuilding. As a result our principal gaps are in merchant shipbuilding both as to production and production facilities. Merchant shipbuilding includes the building of ocean going vessels (i.e. vessels for the maritime fleet), vessels for the river fleet, vessels for the inland seas, and fishing vessels. Included in all of these categories are both self-propelled vessels and dumb craft.
2. The Soviet Bloc countries in order of their estimated shipbuilding capabilities are: the USSR, Poland, East Germany, Communist China, Czechoslovakia, Soviet Zone of Austria (not usually considered a satellite), Rumania, Hungary, Bulgaria, and Albania. With the exception of East Germany, on which we have relatively good current data, the gaps as to countries may be taken in the same order of importance.
3. Broad gaps exist in all Soviet Bloc countries as to present production and future planned production. It is desired that this production be reported by type, tonnage, characteristics, cost, time and man-hours required for construction.
4. Specific gaps existing on most of the individual shipyards within the countries include descriptions of construction facilities and plant layouts, material, power and labor supply.
5. For a more detailed discussion of requirements reference is made to ORR 5942 (General Description and Collection Guide for the Shipbuilding and Ship Repair Industry).

S-E-C-R-E-T

ELECTRICAL EQUIPMENT BRANCH

ORR/I

Mission

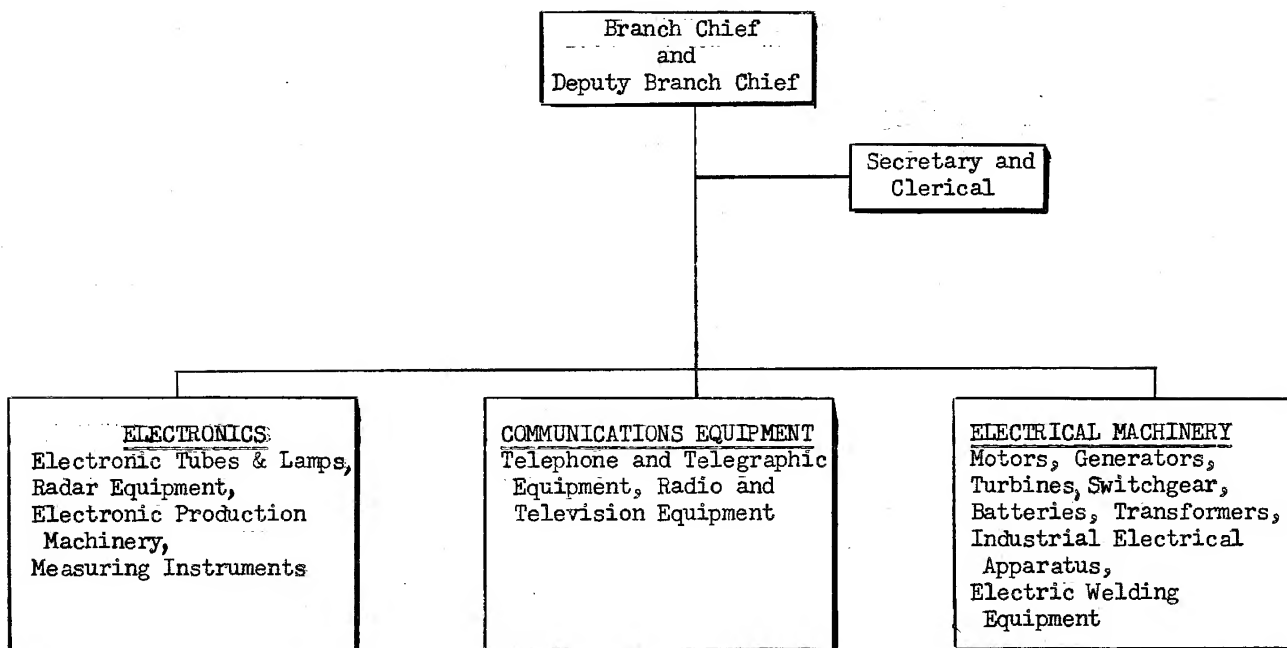
The Electrical Equipment Branch (I/EE) is responsible for producing all-source economic intelligence on the electrical equipment industries of the Soviet Bloc, for contributing to the coordination of such intelligence production within the US Government, and for contributing, within its field of responsibility, to national estimates. The electrical equipment industries include generally electrical machinery and apparatus, electronic apparatus, electrical and electronic components and telecommunications equipment.

- 45 -

S-E-C-R-E-T

S -R-E-T

ELECTRICAL EQUIPMENT BRANCH



S-E-C-R-E-T

Commodity Responsibilities, I/EE

<u>ORR Classification No.</u>	<u>Commodity</u>
3611	Steam Engines and Turbines
36111	Steam Turbines
36112	Steam Engines
3613	Water Turbines
3619	Engines and Turbines, n.e.c.
37	Electrical and Electronic Apparatus, Appliances, and Supplies
371	Primary Electrical Machinery
3711	Motors, Generators, Motor-Generator Sets, and Other Rotating Machines
37111	Motors
37112	Generators
37113	Precision Rotary Equipment
3712	Power and Distribution Equipment
37121	Power Transformers
37122	Distribution Transformers
37123	Lightning Arrestors
37124	Power Factor Condensers
37125	Circuit Protection Devices
3713	Switchgear, Switchboard Apparatus, and Industrial Controls
3714	Electrical Measuring Instruments
37141	Meters
3719	Electrical Industrial Apparatus, n.e.c.
372	Industrial Electrical Appliances
3721	Electrical Equipment for Transport Equipment
3722	Railroad Signal Equipment
373	Electric Wire, Cable, and Supplies
3731	Bare Wire
3732	Insulated Wire and Cable
3733	Wiring Devices and Supplies
374	Electronic Component Parts
3741	Electronic Tubes
37411	Receiving Tubes
37412	Transmitter Tubes

S-E-C-R-E-T

S-E-C-R-E-T

Commodity Responsibilities, I/EE
(Continued)

<u>ORR Classification No.</u>	<u>Commodity</u>
37413	Cathode-Ray Tubes
37414	Special Tubes
37415	Microwave Tubes
37416	Lamps
37419	Tubes and Tube Devices,n.e.c.
3742	Semiconductors
37421	Dry Rectifiers
37422	Crystal Diodes
37423	Transistors
3743	Resistors
3744	Capacitors
3745	Transformers (Specialty), Coils, and Magnetic Components
3746	Transducers
3747	Antennas, Wave Guides, and Resonators
3748	Electronic Hardware and Plastic Parts
3749	Electronic Component Parts,n.e.c.
375	Electronic Equipment for Communications, Radar, Navigation, and Special Military Devices
3751	Wire Communications Equipment
37511	Telegraph Equipment
37512	Telephone Equipment
37513	Telephone and Telegraphic Terminal Equipment
3752	Radio Communications Equipment
37521	Broadcast Transmitters
37522	Point-to-Point Transmitters and Receivers
37523	Directional Microwave Equipment
37524	Jamming Equipment
37529	Radio Communications Equipment,n.e.c.
3753	Radio and Television Receivers and Related Products
3754	Radar Equipment
3755	Electronic Navigation Equipment
3756	Special Military Electronic Devices
376	Electronic Equipment, Machinery, and Materials for Industry

- 48 -

S-E-C-R-E-T

S-E-C-R-E-T

Commodity Responsibilities, I/EE
(Continued)

<u>ORR Classification No.</u>	<u>Commodity</u>
3761	Industrial Electronic Equipment
37611	Electronic Heating Equipment
37612	Electron Microscopes
37613	X-Ray Equipment
37614	Therapeutic Equipment
3762	Electronic Computers
3763	Electrical and Electronic Test Equipment
3764	Electronic Production Machinery
37641	Special Tube Machinery
37649	Electronic Production Machinery,n.e.c.
3765	Power Rectifiers and Power Supplies
3766	Specialized Electrical and Electronic Production Materials
37661	Ceramic Insulation
37662	Tube Fabricated Parts
37663	Lamp Fabricated Parts
37664	Refractory Wire
37669	Electronic Production Materials,n.e.c.
377	Batteries
3771	Storage Batteries
3772	Primary Batteries
3773	Special Batteries
379	Electrical and Electronic Products,n.e.c.

S-E-C-R-E-T

S-E-C-R-E-T

Completed or Published Reports, I/EE

<u>RR No.</u>	<u>Title</u>	<u>Classification</u>
RR-7	Electron Tube Industry in the Soviet Bloc, 29 Aug 52	Secret US Officials Only
RR-9	Heavy Electrical Machinery Industry in the Soviet Bloc, 12 Sep 52	Sec
RR-11	Soviet Bloc Production of Civilian Radio and Television Receivers, 26 Sep 52	Sec
RR-14	Electronic Components Industry in the Soviet Bloc, 19 Nov 52	Secret US Officials Only
MP-72	The Nikola Tesla Factory at Belgrade (Req.-ONI), 12 Dec 51	Sec
PR-3	Electron Tube Industry in the USSR, 27 Sep 51	Sec
WP-48-51	The Electrical Wire & Cable Industry of the USSR and the European Satellites, 2 Nov 53	Secret US Officials Only
WP-20-52	The Soviet Bloc Production of Steam and Hydraulic Turbines, 6 Feb 53	Secret US Officials Only
WP-22-52	The Dependence of the Soviet Bloc Electrotechnical Industry on Western Sources of Supply, 27 Jan 53	Secret US Officials Only
RR-7-S-1	Electron Tube Industry in the Soviet Bloc, 6 Sep 54	Secret US Officials Only

S-E-C-R-E-T

S-E-C-R-E-T

FY 1954 Research to be Published, I/EE

Project No.	RR No.	Title
36.306		Production of Radio and Television Receivers in the USSR (Supplement to RR-11)

FY 1955 Scheduled Research, I/EE

Project No.	Title
36.518	Trends in the Soviet Bloc Electrotechnical Industry
36.519	The Soviet Bloc Production of Steam and Hydraulic Turbines
36.520	Production of Electrical Equipment in the Soviet Bloc
(No number)	The Soviet Bloc Radio Communications Equipment Industry
33.494	Survey of Guided Missile Electronic Equipment

S-E-C-R-E-T

Major Gaps in Intelligence, I/EE

1. Major Gaps in Collection

<u>Product Category</u>	<u>Collection to be Emphasized</u>
Microwave Tubes (Magnetrons, etc.)	Facilities, personalities, production figures
Subminiature Tubes	Facilities, personalities, production figures
Airborne Radar)	Plant locations, equipment
Ground and Ship SHF Radar)	identification, production figures
Guided Missile Electronics	Organization; plant activities
UHF Military Radios	Equipment analysis, production data
Electronic Components	Plant and production data, USSR
Precision Electrical Machines	Equipment analysis, data on plants, personnel and production
Wire and Cable Products	Recent Developments in Polish industry
Turbines, Heavy Electrical Machinery	More recent coverage for key Soviet plants (LMZ, UTZ, KhTG2)

2. Major Gaps in Research

<u>Product Category</u>	<u>Features to Emphasize</u>
Microwave Tubes	Characteristics, consumption, industry size
Radar Industry	Methodology for estimating production, consumption, and inputs
Guided Missile Electronics	Identification of plants, organization and types of systems

S-E-C-R-E-T

Major Gaps in Intelligence, I/EE
(Continued)

<u>Product Category</u>	<u>Features to Emphasize</u>
Electronic Countermeasures	Estimate production quantities and types
Test Equipment	Industry output, consumption pattern
Radio Communication Equipment	Military versus civilian use and production of new (UHF & SHF) systems
Precision Electrical Rotating Machinery	Size of industry, production by category, consumption pattern.

S-E-C-R-E-T

S-E-C-R-E-T

CONSUMER INDUSTRIES BRANCH

ORR/I

Mission

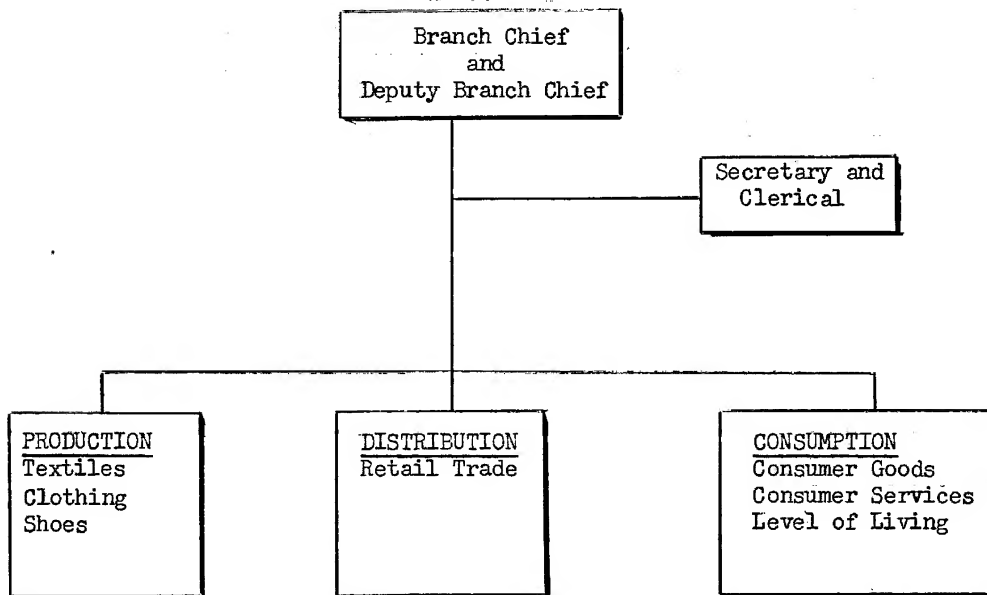
The Consumer Industries Branch (I/CI) is responsible for producing all-source economic intelligence on the distribution and consumption of consumer goods, including the level of living in the Soviet Bloc, and for contributing, within its field of responsibility, to national estimates. In addition, the Consumer Industries Branch has primary responsibility for research in depth on Soviet Bloc light industry. Where certain consumer goods are produced by other industries, however, the Consumer Industries Branch will coordinate its work with the branches responsible for those goods.

- 54 -

S-E-C-R-E-T

S-E-C-R-E-T

CONSUMER INDUSTRIES BRANCH



S-E-C-R-E-T

Commodity Responsibilities, I/CI

<u>ORR Classification No.</u>	<u>Commodity</u>
23	Textiles
231	Scoured and Combed Fibers
232	Yarns and Threads
2321	Cotton
2322	Wool
2323	Synthetics (such as Rayon and Nylon)
233	Fabrics
2331	Cotton
2332	Wool
2333	Linen
2334	Silk
2335	Synthetics
234	Knitted Products and Hosiery
2341	Gloves
2342	Underwear
2343	Hosiery
235 (M/AG)*	Cordage and Sacking
2351 (M/AG)*	Rope
2352 (M/AG)*	Twine
2353 (M/AG)*	Sacking
239 (M/AG)*	Textiles, n.e.c.
24	Footwear, Wearing Apparel (except Knitted Products and Hosiery), and Other Finished Textile Goods
241	Footwear
2411	Boots and Shoes
242	Wearing Apparel (except Knitted Products and Hosiery)
249	Finished Textile Goods, n.e.c.
26	Furniture and Fixtures
261	Furniture
29	Leather, Leather Products (except Footwear), and Furs
291	Tanned and Finished Leather

* Dual responsibility with designated ORR branch

S-E-C-R-E-T

S-E-C-R-E-T

Commodity Responsibilities, I/CI
(continued)

<u>ORR Classification No.</u>	<u>Commodity</u>
2911	Leather
2912	Furs
292	Leather Products (except Footwear) and Wearing Apparel
31163 (M/CH)*	Rayon
31164 (M/CH)*	Synthetic Fibers, n.e.c.
312 (M/AG)*	Vegetable Oil and Animal Fats and Oils
3121 (M/AG)*	Vegetable Oil
3122 (M/AG)*	Animal Fats and Oils
35	Metal Products (except Machinery and Transport Equipment)
351	Tin Cans and other Equipment
352	Cutlery, Tools, and General Hardware
353	Heating Apparatus (except Electric and Plumber Supplies)
355	Metal Stamping, Coating, and Engraving
356	Lighting Fixtures
357	Metal Containers
368	Service and Household Machinery
3681 (S/OM)*	Service Industry and Household Machines

* Dual responsibility with designated ORR branch

S-E-C-R-E-T

S-E-C-R-E-T

Completed or Published Research, I/CI

<u>RR No.</u>	<u>Title</u>	<u>Classification</u>
PR-46	Organization and Turnover Section of Soviet Retail Trade, 1948-52 26 Jan 54	Sec
IM-374	New Soviet Decree Reducing Prices of Consumer Goods	Sec

FY 1954 Research to be Published, I/CI

<u>Project No.</u>	<u>RR No.</u>	<u>Title</u>
		Production Statistics of Non-Food Consumer Goods in the USSR, 1940, 1945-55
		Soviet Worker Food Costs: 1948-1953

S-E-C-R-E-T

S-E-C-R-E-T

FY 1955 Scheduled Research, I/CI

Project
No.

Title

Analysis 1954 Plan Fulfillment Results by
USSR Consumer Industries

Developments in the USSR Consumer Industries

Developments in the East German Consumer
Industries

- 59 -

S-E-C-R-E-T

S-E-C-R-E-T

Major Gaps in Intelligence, I/CI

1. Consumer Goods and Services, Consumption by Individuals and Households

USSR - Scarcity of intelligence is most marked on two subjects: (1) quantities consumed by an individual or household per some time period; and (2) complete budgets of individuals and households are very scarce.

European satellites - In terms of sufficiency of material readily at hand the USSR and Satellites rank as follows: East Germany, Czechoslovakia, Poland, Hungary, USSR, Rumania, Bulgaria, Albania.

2. Light Industry

Production estimates needed from all the European Satellites. More detailed information is needed on the improved quality of Soviet goods.

3. Listed below are some of the paramount intelligence gaps into which I/CI will have to delve:

- a. Trade levels over time.
- b. Commodity-service-price relationships over time.
- c. Changes in commodity composition of trade turnover.
- d. Accurate production estimates of all consumer goods.
- e. Determination of breakdown of trade turnover between urban and rural population by volume, value, and commodity composition.

S-E-C-R-E-T

Approved For Release 2001/05/01 : CIA-RDP81S00999R000100050001-9

SECRET

US OFFICIALS ONLY

US OFFICIALS ONLY

SECRET

Approved For Release 2001/05/01 : CIA-RDP81S00999R000100050001-9